

# Onsite Sewage Treatment

## Statutory Authority:

- Regulations Governing Onsite Disposal of Sanitary Sewage and Human Excreta in Macomb County, 1989
- Public Act 368 of 1978

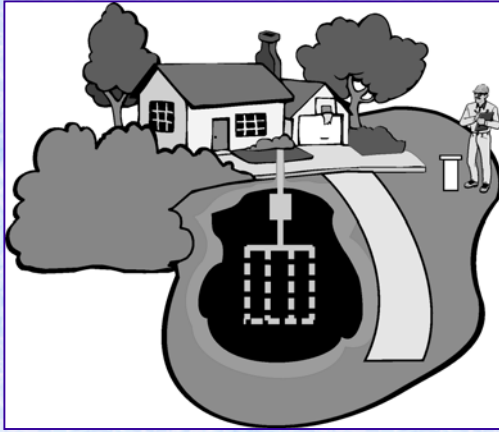
**A significant portion of Macomb County relies on on-site sewage treatment systems for sewage disposal. The Health Department evaluates proposed building sites, conducts soil evaluations, issues permits and inspects the systems. These services are provided for residential homes, commercial and industrial buildings. Macomb County has approximately 25,000 onsite sewage treatment systems.**



# Onsite Sewage Treatment



- ◆ Onsite studies of soil profile, drainage, permeability & water table
- ◆ Prescribed system design, installation specifications & evaluations for the installation of sewage disposal systems
- ◆ Inspections of completed sewage treatment systems for conformance with permit specifications
- ◆ Technical consultation on installation, operation & maintenance of sewage treatment systems
- ◆ Conduct reviews of onsite soil suitability & groundwater supplies on proposed subdivision plats
- ◆ Consultation and information on septic system maintenance



# Transfer Evaluations

## Statutory Authority:

- Regulations Governing Onsite Sewage Disposal and Onsite Water Supply System Evaluation and Maintenance in Macomb County, 2002

Homes and businesses relying on onsite sewage treatment and/or onsite wells are required by County regulations to have these systems evaluated by a registered evaluator or the Macomb County Health Department prior to property transfer or sale.

Persons performing transfer evaluations must be registered with the Health Department. The MCHD administers this registration process and maintains a list of registered transfer evaluators.

*...working to assure that onsite sewage treatment and water supply systems meet public health standards*



# On-site Water Supply

**A significant portion of Macomb County relies on public or private well water for drinking & other domestic purposes.**

## **Statutory Authority:**

- Public Act 368 of 1978
- Public Act 399 of 1976
- Regulations Governing Water Supplies in Macomb County, 1995



# On-site Water Supply

**The Onsite Water Supply Program provides the following services:**

- ◆ Technical consultation
- ◆ Evaluation of proposed well drilling sites
- ◆ Issuance of water system installation permits
- ◆ Inspections of systems during/after installation
- ◆ Bacteriological & partial chemistry sampling services
- ◆ Surveying & monitoring of more than 120 non-community water supplies
- ◆ Investigations regarding suspected groundwater contamination
- ◆ Technical assistance with water well abandonment



*...working to assure safe drinking water*



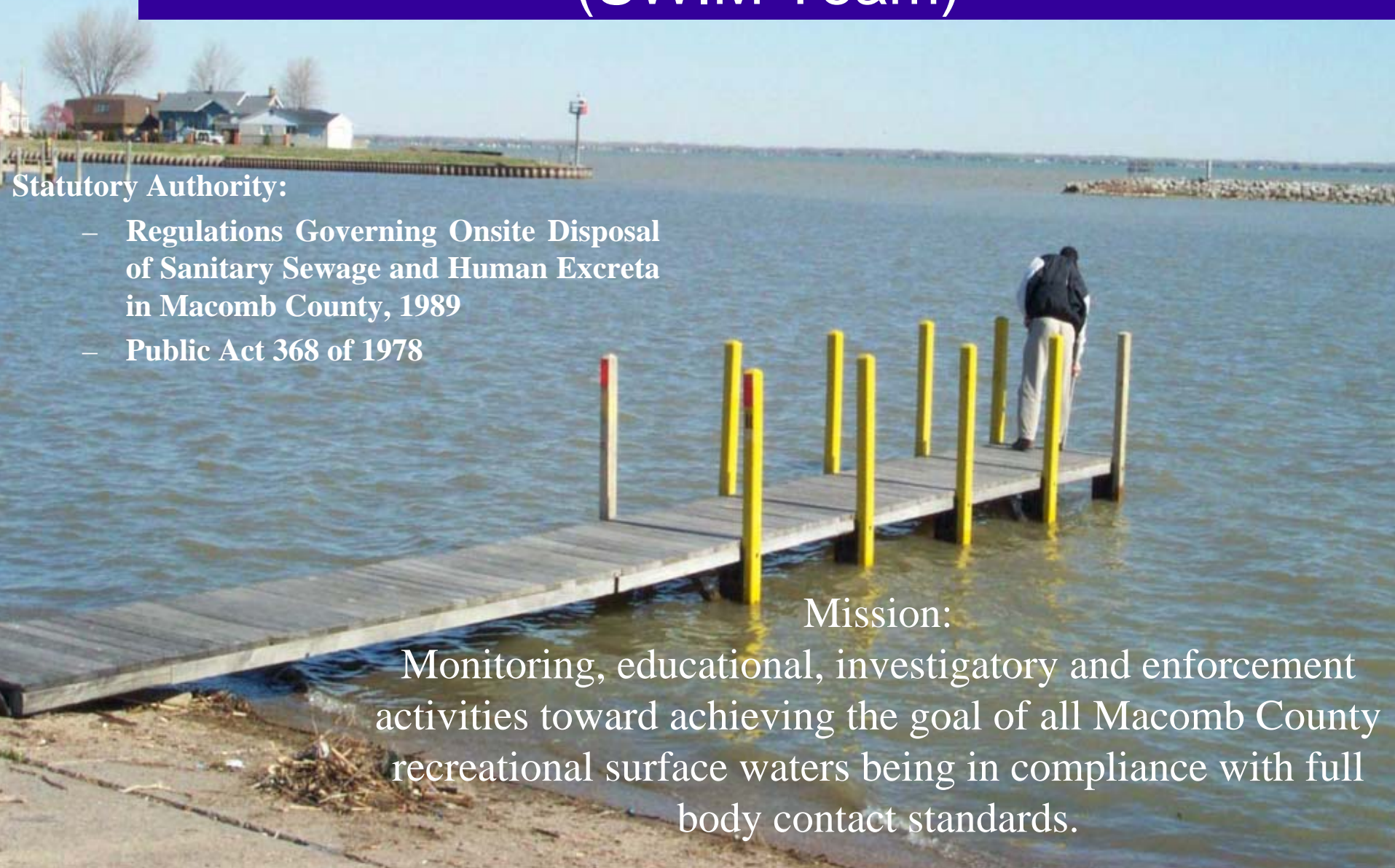
# Surface Water Improvement & Monitoring (SWIM Team)

## Statutory Authority:

- Regulations Governing Onsite Disposal of Sanitary Sewage and Human Excreta in Macomb County, 1989
- Public Act 368 of 1978

## Mission:

Monitoring, educational, investigatory and enforcement activities toward achieving the goal of all Macomb County recreational surface waters being in compliance with full body contact standards.





# Surface Water Improvement & Monitoring Team

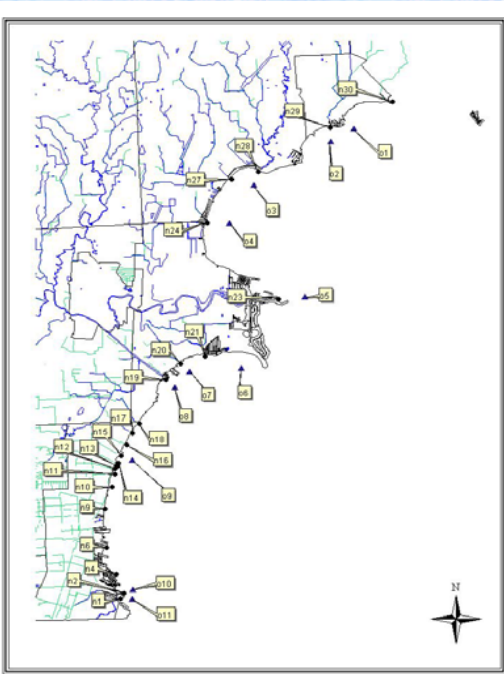
- ◆ **Bathing Beach Sampling** - The Department monitors E. coli bacterial levels at bathing beaches within the county. Samples are collected twice weekly, April - September.
- ◆ **Surface Water Monitoring** - Samples are collected from over 60 sites within the county to monitor E. coli bacterial levels throughout the watershed.
- ◆ **Sewage Pollution Investigations** - Staff respond to complaints of improper sewage disposal resulting from citizen complaints, referrals from local municipalities & problems identified through monitoring efforts.
- ◆ **Illicit Discharge Elimination Program (IDEP)** - Entails surveying streams, open drains and roadside ditches to locate & sample pipes discharging into waterways
- ◆ **Educational Efforts & Public Outreach** - Community awareness and education on surface water quality issues is a significant component to pollution prevention and enhanced water quality.

*...monitoring the recreational waters your family enjoys*



# Lake St. Clair Assessment

The purpose of this assessment is to increase knowledge of the water quality of Lake St. Clair through an intensive monitoring program, including water and sediment sampling for chemical and microbiologic parameters. The monitoring includes watershed, bathing beach, near shore and offshore locations.



## Marina Pollution Prevention

Working with marina operators to identify and prevent sources of pollution which have a negative impact on the water quality of Lake St. Clair and which may originate from marinas located in Macomb County.

